

Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>			Complete if Known		
			Application Number	10/661,400	
			Filing Date	September 12, 2003	
			First Named Inventor		
			Art Unit	3774	
			Examiner Name	Paul B. Prebilic	
Sheet	1	of	11	Attorney Docket Number	026322-002910US

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number Kind Code ² (if known)			
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	107	2007/0182920	08-09-2007	Back et al.	
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	113	CA	2,134,744		05-04-1995	COLLAGEN CORP		<input type="checkbox"/>
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	115	CA	2,227,827		07-23-1999	UNIV D OTTAWA UNIVERSITY OF OT		<input type="checkbox"/>
	116	EP	1 530 600	B1	05-18-2005	OTTAWA HEALTH RESEARCH INSTITUTE		<input type="checkbox"/>
	117	EP	1 741 457	A1	01-10-2007	OTTAWA HEALTH RESEARCH INSTITUTE		<input type="checkbox"/>
	118	GB	1 569 707		06-18-1980	ICI LTD		<input type="checkbox"/>
	119	WO	88/02622		04-21-1988	CBS LENS		<input type="checkbox"/>
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	122	WO	98/03267		01-29-1998	ELECTROSOLS LTD		<input type="checkbox"/>
	123	WO	00/35524		06-22-2000	ELECTROSOLS LTD		<input type="checkbox"/>
	124	WO	00/67694		11-16-2000	MEDTRONIC, INC.		<input type="checkbox"/>
	125	WO	02/092142		11-21-2002	ELECTROSOLS LTD		<input type="checkbox"/>
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	127	WO	2004/024035		03-25-2004	OCULAR SCIENCES, INC.		<input type="checkbox"/>
	128	WO	2004/028356		04-08-2004	BAUSCH & LOMB		<input type="checkbox"/>
	129	WO	2004/052254		06-24-2004	NOVARTIS AG		<input type="checkbox"/>

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	131	WO	2005/042043		05-12-2005	MEDTRONIC INC		<input type="checkbox"/>
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	146	CARLSSON et al., "Bioengineered corneas: how close are we?" Curr Opin Ophthalmol. 2003 Aug;14(4):192-197.	<input type="checkbox"/>
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	165	JONES et al., "Silicone Hydrogel Contact Lens Materials Update - Part 2", downloaded from the Internet: <<http://www.siliconehydrogels.com/editorials/index_august.asp>>, August 2004, 4 pages total.	<input type="checkbox"/>
	166	KAMINSKI et al., "Ten-year follow-up of epikeratophakia for the correction of high myopia," Ophthalmology. 2003 Nov;110(11):2147-2152.	<input type="checkbox"/>
	167	KAUFMAN et al., "Human fibrin tissue adhesive for sutureless lamellar keratoplasty and scleral patch adhesion a pilot study," Ophthalmology, 110(11): 2168-2172. (2003)	<input type="checkbox"/>
	168	KHADEM et al., "Healing of perforating rat corneal incisions closed with photodynamic laser-activated tissue glue," Lasers in surgery and medicine 2004;35(4):304-311.	<input type="checkbox"/>
	169	KLENKLER et al., "EGF-grafted PDMS surfaces in artificial cornea," Biomaterials. 2005 Dec;26(35):7286-96.	<input type="checkbox"/>
	170	LAGALI et al., "Innervation of tissue-engineered corneal implants in a porcine model: a 1-year in vivo confocal microscopy study," Invest Ophthalmol Vis Sci. 2007 Aug;48(8): 3537-3544.	<input type="checkbox"/>
	171	LAGALI et al., "Innervation of tissue-engineered recombinant human collagen-based corneal substitutes: a comparative in vivo confocal microscopy study," Invest Ophthalmol Vis Sci. 2008 Sep;49(9): 3895-902.	<input type="checkbox"/>
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				Application Number	10/661,400
				Filing Date	September 12, 2003
				First Named Inventor	
				Art Unit	3774
				Examiner Name	Paul B. Prebilic
Sheet	9	of	11	Attorney Docket Number	026322-002910US

NON PATENT LITERATURE DOCUMENTS				
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
	172	LATKANY et al., "Plasma surface modification of artificial corneas for optimal epithelialization," J. Biomed Mater Res 1997; 36(1):29-37.	<input type="checkbox"/>	
	173	LEKSKUL et al., "CxGELSIX: a novel preparation of type VI collagen with possible use as a biomaterial," rnea. 2000 Mar;19(2):194-203.	<input type="checkbox"/>	
	174	LI et al., "Cellular and nerve regeneration within a biosynthetic extracellular matrix for corneal transplantation," Proc Natl Acad Sci U S A. 2003 Dec 23;100(26): 15346-15351.	<input type="checkbox"/>	
	175	LI et al., "Recruitment of multiple cell lines by collagen-synthetic copolymer matrices in corneal regeneration," Biomaterials. 2005 Jun;26(16):3093-3104.	<input type="checkbox"/>	
	176	LIU et al., "A simple, cross-linked collagen tissue substitute for corneal implantation," Invest Ophthalmol Vis Sci. 2006 May;47(5): 1869-1875.	<input type="checkbox"/>	
	177	LIU et al., "Alginate microsphere-collagen composite hydrogel for ocular drug delivery and implantation," J Mater Sci Mater Med. 2008 Nov;19(11): 3365-3371.	<input type="checkbox"/>	
	178	LIU et al., "Immunological responses in mice to full-thickness corneal grafts engineered from porcine collagen," Biomaterials 2007 Sep;28(26): 3807-3814.	<input type="checkbox"/>	
	179	LIU et al., "Properties of porcine and recombinant human collagen matrices for optically clear tissue engineering applications," Biomacromolecules. 2006 Jun;7(6):1819-1828.	<input type="checkbox"/>	
	180	LIU et al., "Recombinant human collagen for tissue engineered corneal substitutes," Biomaterials. 2008 Mar;29(9): 1147-1158.	<input type="checkbox"/>	
	181	MATTEINI et al., "Microscopic characterization of collagen modifications induced by low-temperature diode-laser welding of corneal tissue," Lasers in surgery and medicine 2007;39(7):597-604.	<input type="checkbox"/>	
	182	MAURY et al., "In-vitro development of corneal epithelial cells on a new hydrogel for epikeratoplasty," J Mater Sci Mater Med. 1997 Sep;8(9):571-576	<input type="checkbox"/>	
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	183	MCDONALD, "The future direction of refractive surgery," J Refract Surg 1988; 4(5):158-168.	<input type="checkbox"/>		
	184	McLaughlin et al., "Regeneration of corneal cells and nerves in an implanted collagen corneal substitute," Cornea. 2008 Jun;27(5): 580-589.	<input type="checkbox"/>		
	185	MENABUONI et al., "Laser-assisted corneal welding in cataract surgery: Retrospective study," J Cataract Refract Surg. 2007 Sep;33(9):1608-1612.	<input type="checkbox"/>		
	186	MERRETT et al., "Tissue-engineered recombinant human collagen-based corneal substitutes for implantation: performance of type I versus type III collagen," Invest Ophthalmol Vis Sci. 2008 Sep;49(9): 3887-3894.	<input type="checkbox"/>		
	187	MOORE et al., "Fate of lyophilized xenogeneic corneal lenticules in intrastromal implantation and epikeratophakia," Invest Ophthalmol Vis Sci. 1987 Mar;28(3):555-559.	<input type="checkbox"/>		
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	190	RAFAT et al., "PEG-stabilized carbodiimide crosslinked collagen-chitosan hydrogels for corneal tissue engineering," Biomaterials. 2008 Oct;29(29): 3960-3972.	<input type="checkbox"/>		
	191	RAFAT et al., "Surface modification of collagen-based artificial cornea for reduced endothelialization" J Biomed Mater Res A. 2008 Mar 20. [Epub ahead of print]	<input type="checkbox"/>		
	192	RICHARDS et al., "The relation of the corneal surface to the permanence of glued-on contact lenses," Can J Ophthalmol. 1971 Apr;6(2):98-103.	<input type="checkbox"/>		
	193	Ruben "Adhesive keratoprotheses," Trans Ophthalmol Soc U K. 1970;90:551-564.	<input type="checkbox"/>		
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	194	SCHMITZ, 'Excimer laser "corneal shaping": a new technique for customized trephination in penetrating keratoplasty,' Graefe's Archive for Clinical and Experimental Ophthalmology, 2003 May; 241:423-431	<input type="checkbox"/>
	195	STENZEL et al., "Collagen as a biomaterial," Annu. Rev. Biophys. Bioeng. 1974; 3:231-253	<input type="checkbox"/>
	196	SUURONEN et al., "Functional innervation in tissue engineered models for in vitro study and testing purposes," Toxicol Sci. 2004 Dec;82(2):525-533.	<input type="checkbox"/>
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	199	SWEENEY et al., "A synthetic polymer as a corneal onlay," [ARVO Abstract] Invest Ophthalmol Vis Sci 40(4),S638Abstract nr 3361. (1999)	<input type="checkbox"/>
	200	TRINKAUS-RANDALL et al. "Implantation of a synthetic cornea: design, development and biological response," Artif Organs. 1997 Nov;21(11):1185-1191.	<input type="checkbox"/>
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	202	VINCIGUERRA et al., "Butterfly laser epithelial keratomileusis for myopia," Journal of refractive surgery 2002;18(3 Suppl):S371-3.	<input type="checkbox"/>
	203	U.S. Patent Application 60/715411, filed 09-09-2005.	<input type="checkbox"/>

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